

***Work Order ID 127488**

December-17-14 1:28:05 PM

127488

Page 1

Item ID: D4777-1 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Rod End Bearing
Start Date: 12/17/14 Start Qty: 40.00 ***40*** Cust Item ID:
Required Date: 12/17/14 Req'd Qty: 40.00 ***40*** Customer:
Reference:

Approvals: Process Plan: MLS Date: 14-12-22 Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D4777	A								
100	PURCHASING	0.00							
100									
Purchasing	Memo	0.00							
Purchasing	Issue P/O: <u>26935</u>								
	Purchase Part Number: 59915K274Supplier: Mc Master Carr								
	Certificate of conformity is required								
110	Receive & Inspect for Damage & Mat'l Certs	0.00							
110									
Packaging	Memo	0.00							
Packaging	Ensure certificate of conformity is attached								
120	QC6- Inspect dimensions to drawing	0.00							
120									
QC	Memo	0.00							
Quality Control									

CD 15/01/06 4040x 8015-01-7(40)DAS
38
9-89

JAN 08 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Crosstube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Work Order ID 127488***127488***

Page 2

Item ID: D4777-1

Accept

N900040100Setup Start ***NS1***

Revision ID:

Item Name: Rod End Bearing

Stop ***NS2***

Start Date: 12/17/14 Start Qty: 40.00

40

Cust Item ID:

Required Date: 12/17/14 Req'd Qty: 40.00

40

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start ***NR1***

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

Identify as per dwg & Stock Location: ST127

0.00

130

Packaging

Memo

0.00

Packaging

40CL 15-01-08

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

MLJ15-01-09AP 15-1-8

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Crosstube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
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Training									
Transport									
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FAULT CATEGORY

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Picklist Print

December-17-14 1:28:05 PM

Page 1

Work Order ID: 127488

127488

Parent Item: D4777-1

D4777-1

Parent Item Name: Rod End Bearing

Start Date: 12/17/14

Required Date: 12/17/14

Start Qty: 40.00

Required Qty: 40.00

Comments: IPP REV:A 12.10.03 NEW ISSUE DD VERF:JFS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
59915K274		Purchased	No			110	Each	0.0000	1	40			
59915K274									**				
Rod End Bearing													

40 X SP 15-01-7

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

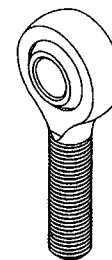
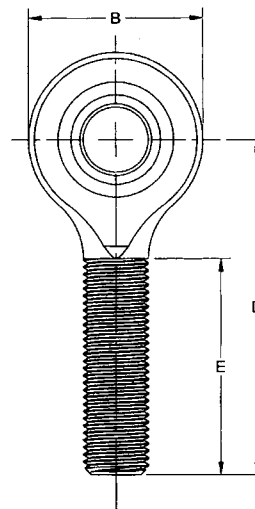
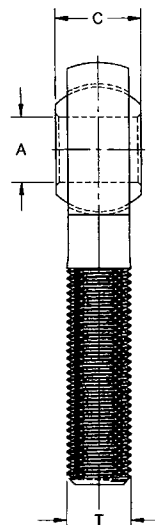
Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
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SPECIFICATION CONTROL DRAWING



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED CC
SUBJECT TO CHANGE
WORK ORDER
NO. 127488 ML5

14-12-20

ROD END BEARING

DART P/N	HOUSING MATERIAL	A	B	C	D	E	T (THREAD SIZE)	SUGGESTED SUPPLIER	SUGGESTED SUPPLIER P/N
D4777-1	STAINLESS STEEL	Ø0.38	1.00	0.500	1.94	1.25	3/8-24 (RIGHT HAND)	MC MASTER CARR	59915K274

RELEASED
2013-08-14

A	NEW ISSUE	AJS	13.08.08
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS		
DRAWN	AJS		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	13.08.08		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO.
D4777

REV. A
SHEET 1 OF 1

TITLE
ROD END BEARING

SCALE
NTS

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FACE

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER**Purchase Order ID PO26935****Purchase Order Date** 1/6/2015**PO Print Date** 1/6/2015**Page Number** 4 of 5**Order From :**

MCMASTER-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name**Vendor Phone**

330 995 5500

Ship To Contact**Ship To Phone****Ship Via:**

Purolator ground ppd

Ship Acct:**Buyer****Customer POID****Customer Tax #****Terms****Currency****FOB**

Chantal Lavoie

10127-2607

Net 10

USD

FCA - (Free Carrier)

Line Total:**\$19.1**

10 59915K274

Rod End Bearing

1/8/2015

Yes

1/8/2015

40.00

Each

\$17.14

\$685.6

AS PER DWG D4777 REV. A
B127488

SP15-017

Line Total:**\$685.6**

11 92311A639

SS SET SCREW

1/8/2015

Yes

1/8/2015

50.00

Each

\$0.66

\$33.1

AS PER DWG D2747 REV. B
B127549

Line Total:**\$33.1**

12 71500-90

2939A28 3/8" DRILL 12"
LONG

1/8/2015

Yes

1/8/2015

1.00

Each

\$20.40

\$20.4

Note:

1/6/2015

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO26935

Order Placed By
Chantal Lavoie

McMaster-Carr Number
5509849-01

Page 1 of 1

01/06/20

Line	Product	Ordered	Shipped
1	1761K22 Galvanized Steel Clamp, 4 Trade Size for, Quick-Assembly Duct Your Part Number: 71400-20	2 Each	2 ✓
2	1761K23 Galvanized Steel Clamp, 5 Trade Size for, Quick-Assembly Duct Your Part Number: 71400-20	8 Each	8 ✓
3	1317T18 Incandescent Light Bulb, Intermediate-Base, Globe Shape No. S11, 40 Watt, Packs of 1 Your Part Number: 71400-35	2 Packs	2
4	9776K33 1" W X 75' L Hook, Adhesive Back, Beige, Lengths of 75 Your Part Number: B127766	1 Length	1
5	7130K41 Nylon Cable Tie, 6" LG, 1-1/2" Bundle Diameter, 10 lb Break Strength, White, Packs of 100 Your Part Number: B127375	1 Pack	1 ✓
6	91249A146 Black-Oxide Finish Pan Head Phillips Machine Screw, 18-8 Stainless Steel, 6-32 Thread, 3/8" Length, Packs of 100 Your Part Number: B127703	1 Pack	1
7	63215K34 Stainless Steel Ball Joint Swivel Bearing, PTFE Lined, 3/8" ID, 13/16" OD, 13/32" Ball Thick Your Part Number: B127926	20 Each	20
8	92311A599 18-8 Stainless Steel Cup Point Set Screw, 5/16"-24 Thread, 5/8" Long, Packs of 50 Your Part Number: B127910	5 Packs	5
9	91343A100 Type 316 Stainless Steel Serrated-Flange Hex Locknut, 1/4"-20 Thread Size, 7/16" W, 15/64" Overall Height, Packs of 10 Your Part Number: D2484P	5 Packs	5
10	59915K274 PTFE-Lined Stainless Steel Ball Joint Rod End, 3/8"-24 Right-Hand Male Shank, 3/8" Ball ID, 1-1/4" L Thread Your Part Number: B127488	40 Each	40 ✓
11	92311A639 18-8 Stainless Steel Cup Point Set Screw, 3/8"-24 Thread, 1" Long, Packs of 10 Your Part Number: B127549	5 Packs	5
12	2939A28 High-Speed Steel Extended-Reach Drill Bit, Uncoated, 3/8", 12" Overall Length, 8.3" Drill Depth Your Part Number: 71500-90	1 Each	1 ✓

SP 15-01-7